ABSTRACT OF THE DISCLOSURE

A connecting structure of a coaxial cable and a coaxial connector of the present invention satisfies both tensile strength and high-frequency performance. The coaxial cable and coaxial connector are electrically and mechanically connected by caulking a sleeve. An outside contour of the cross section of the caulked sleeve has an almost circular shape since the caulked sleeve having a crimp height H1 is formed by jointing two opposing almost semi-circular members. The outside contour of each of the semi-circular members has a radius R1 so that R1 and H1 satisfy Equations (1) and (2), respectively:

(1) $R1 = P1 \times (D + 2 \times T1)$

(2) $H1 = P2 \times R1$

where D is an outside diameter of the coaxial cable, T1 is a plate thickness of the sleeve, P1 is within the range from 0.45 to 0.48, and P2 is within the range from 2.02 to 2.12.